

K. L. Maheshwari,
M.Sc, Assoc, I.A.R.I.

The Journal

of

The Indian Botanical Society

VOL. XXX-1951-52

31

QK
358
J8



EDITORIAL BOARD

A. C. Joshi, Chief Editor

Govt. Training College for Teachers, Jullundar, Punjab (I.)

P. Parija

Benares Hindu University

R. L. Nirula

Vidarbha Mahavidyalaya, Amravati

B. P. Pal

*Indian Agricultural Research
Institute, New Delhi*

R. Misra

Saugor University

P. Maheshwari

Delhi University

T. S. Sadasivan

Madras University

T. S. Mahabale, Business Manager
Bombay

Published by the Indian Botanical Society

CONTENTS

Volume 30, 1951, Nos. 1-4

	PAGE
Wheat breeding investigations at the Indian Agricultural Research Institute.....B. P. Pal	1
Wilt disease of <i>Acacia melanoxylon</i> R. Br.....G. S. Verma	14
Studies on foliar sclereids—A preliminary survey.. T. Ananda Rao	28
Pollen grain sizes in <i>Oryza</i>S. Sampath and K. Ramanathan	40
Pollen analysis in <i>Mangifera</i> in relation to fruit-set and taxonomySunilkumar Mukherjee	49
An interesting Indian marine diatom, <i>Radiodiscus hispidus</i> (Grun.) Mills.....M. Voigt	56
Studies in the embryology of some Verbenaceæ...Niranjan Pal	59
The genus <i>Aegopodium</i> Linn. from India.....M. B. Raizada and R. Shahi	75
A note on the anatomy of the leaf of the simple-leaved mutant in gram (<i>Cicer arietinum</i> Linn.)..R. H. Richharia and R. P. Roy	80
Studies in Nitrophily—II. Nitrophilous plants of Bombay.....F. R. Bharucha and P. J. Dubash	83
Staining hairs in <i>Tragia cannabina</i> L.f.....J. Saktharam Rao and D. Daniel Sundararaj	88
The somatic chromosomes of <i>Nicandra</i>N. P. Sinha	92
Studies in Cæsalpiniaceæ—II. Development of the endosperm and embryo in <i>Cassia occidentalis</i> L.....J. V. Pantulu	95
Embryological studies in the Lecuminosæ—II. A contribution to the embryology of <i>Mimosa hamata</i> ...V. R. Dnyansagar	100
Effect of various nitrogenous compounds on the growth of <i>Alter- naria tenuis</i> Auct. Sensu Wiltshire.....J. P. Srivastava	108
Fossil fruits of <i>Trapa</i> and remains of other fresh-water plants from the Pleistocene of Kashmir.....G. S. Puri	113
Contributions to the embryology of Sterculiaceæ—III. <i>Melochia corchorifolia</i> L.....C. Venkata Rao	122
Some tertiary leaves and fruits of the Guttiferæ from RajasthanR. N. Lakhanpal and M. N. Bose	132

1015578
6675
10 new

	PAGE
The ferns of Pahlgam, Kashmir.....R. R. Stewart	137
<i>Walkomiella indica</i> , a new conifer from the Lower Gondwanas of India.....K. R. Surange and Prem Singh	143
A comparison of the mode of action of certain new chloronitro- benzene preparations with that of standard fungicides.....R. Y. Roy	148
Indian Botanical Society Excursion, 1951.....	181
Review	192